## *Results for the 10'x40' circular tank with ramp:*

### Circular tank:

Tank Diameter = 40 ft
Tank Wall thickness = 8 in (actual)
Tank Height = 10 ft
$f_y$= 60,000 psi
$f'_c$ = 4,000 psi

| Horizontal Steel = #4 rebar | | |
|---|---|---|
| Bar # | Spacing (in) | Distance from finished floor (ft - in) |
| 1 | 3 | 0' 3" |
| 2 | 12 | 1' 3" |
| 3 | 12 | 2' 3" |
| 4 | 12 | 3' 3" |
| 5 | 12 | 4' 3" |
| 6 | 12 | 5' 3" |
| 7 | 12 | 6' 3" |
| 8 | 12 | 7' 3" |
| 9 | 12 | 8' 3" |
| 10 | 12 | 9' 3" |
| 11 | 6 | 9' 9" |

Vertical Steel shall be #4 @ 12" O.C.
Dowels "L" bars shall be #4 @ 12" O.C. with a horizontal leg of 6" and a vertical leg of 26"

In the tank wall, at the notch for the ramp add:
3-#6 bars x 9'-10" long @ 4" O.C. vertically.
3-#6 bars x 20' long @ 4" O.C. horizontally.
4-#6 bars x 6' long @ 4" O.C. at a 45 degree angle.